

# [APPARATUS AND METHOD OF POWER COMPENSATION AND OPTICAL DEVICE USING THE SAME]

## Abstract of Disclosure

File: 09584USF.RTF11 Apparatus and method of power compensation and optical device using the same. The power compensation apparatus is used to compensate a write power of the optical device. The power compensation apparatus has a signal extraction circuit, a gain setting unit, and an adder. The signal extraction circuit is used to extract a absolute value of a portion of a servo error signal over a threshold voltage. The gain setting unit is used to generate a compensation signal using a gain thereof to adjust the absolute value of the portion of the servo error signal over the threshold voltage. The adder is used to add the compensation signal into the write power.

## Figures